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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

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Total Number of Pages in This Submission

Application Number	10/729,330
Filing Date	December 4, 2003
First Named Inventor	Cameron A. Riddell
Art Unit	3643
Examiner Name	Unknown
Attorney Docket Number	

ENCLOSURES (Check all that apply)

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References |
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Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name Rutan & Tucker, LLP

Signature

Printed name

Robert D. Fish

Date

11/7/05

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231

Inventor: Cameron A. Riddell
Serial No: 10/729330
Filed: Dec. 4, 2003
For: Electric Deterrent Device

Examiner: Unkown
Art Unit: 3643

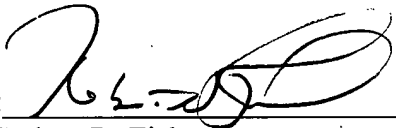
**<SUPPLEMENTAL> SUBMISSION OF PRIOR ART
UNDER 35 U.S.C. 301**

The undersigned requests that the Office consider the following documents in evaluating patentability of the claims in the above-captioned patent application.

- 1) US 5366780 to Rapisarda (Nov 1994, CIP of US 5019438) teaches sewing flexible stranded lengths of conductive wire to a backing. (see abstract). The disclosure even teaches that the wires can be braided. (see col. 2, lines 30-35). The wires are preferably coated with insulating material, but not necessarily. (see col. 2, lines 51-54). Reference teaches use of a good quality industrial sewing machine. (see col. 2, lines 39-40).
- 2) US 6477027 to McKelvy (Nov 2002, priority to June 2000) teaches sewing copper braid wires to vinyl coated polyester backing (see col. 2, lines 45-50).
- 3) US 4494733 to Olsson (Jan. 1985) teaches woven electrical wires, used as electrical barrier for animals. (see col. 1 line 66 – col. 2 line 25' col. 2, lines 55-64). Teaches attaching the wires to "an electrically insulating material such as plastic, rubber or the like" (see col. 3, lines 5-10), but does not teach sewing the wires.
- 4) US 5049704 to Matouschek (Sept 1991 with priority to Nov 1989) teaches attaching electrically conductive wires to a backing by stitching (see col. 1, lines 37-41; col. 1 line 62 – col. 2, line 3), and even claims the wire being sewn (see claim 1).
- 5) US 2001/0015426 to Bellon (Aug 2001 with priority to Jan 2001) teaches electrical fence having stitching unshielded copper wire to a backing (see ¶ 45) to provide an electric shock to animals touching the wires. Plastic backing is nonconductive (see ¶ 42). Electrical wires can be in form of strand or rope (see claim 4).

- 6) US 5158039 to Clark (Oct 1992) teaches conductive arrays of wire stitched to non-conductive backing "rather than adhesively attached thereto". (see col. 7, lines 14-16, and claim 1).
- 7) US 4861645 to Standing (Aug 1989) teaches sewing electrical wire onto woven backing tape to produce an electric fence. (See col. 2, lines 28-35, and claim 1).
- 8) US 4475141 to Antonevich (Oct 1984) teaches sewing unshielded wires onto flexible non-conductive backing (see abstract and figures 1, 3; col. 3, lines 17-20 and 34-36). The purpose here is to provide grounding rather than shocking, but the principle is the same.
- 9) US 2002-0066895 to Wildschut (June 2002) teaches electrical fence with braided electrical conductors (see ¶ 2 and claim 1). Silent as to sewing of wires to backing.
- 10) US 5107620 to Mahan (Apr. 1992) teaches electric shock table cloth with parallel unshielded wires used to keep animals off the table. The metallic strips are secured to the cloth "by any suitable means" (col. 3, lines 42-47), although the applicant does not expressly teach sewing.
- 11) US 6006698 to Negre (Dec. 1999) teaches bird shock strip having multiple unshielded parallel wire rails attached to plastic backing. (see abstract, figure 3). Wires are molded into place rather than being sewn.

Copies are attached.

By: 
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Reg. no. 33,880